

Tabel 2.Hasil hidrolisis proteolitik prekursor α -S1-kasein *Capra hircus* (24 fragmen peptida)

Sekuen dan situs pemotongan	Fragmen peptida hasil hidrolisis enzimatis	Drug likeness Score	Protease inhibitor
>gi 311943 emb CAA51022.1 alpha	MK	-0,65	0,89
S1 casein [<i>Capra hircus</i>]	LI	-1,37	0,73
MKLLILTCLVAVALARPKHPINHQGLSPEVPNEN	TC	-0,78	0,90
LLRFVVPFFPEVFRKENINELSKDIGSESTEDQA	VAVA	-1,58	0,75
MEDAKQMKAGSSSSSEIIVPNSAEQKYIQKEDVP	ARPK	-0,35	1,18
SERYLGYLEQLLKLKKYNVPQLEIVPKSAEEQLH	VVAPFPEV	-0,75	-1,38
SMKEGNPAHQKQPMIAVNQELAYFYPQLFRQFYQ	ENINE	-0,30	0,54
LDAYPSGAWYYLPLGTQYTDAPSFSDIPNPIGSE	SK	-0,89	0,77
NSGKAAMPLW	QMK	-0,06	0,91
Kimotripsin	IQK	-0,45	0,93
38/47/95/106/109/119/159/160/	EDVPSE	-0,56	-0,92
165/168/169/179/180/181/188/	LG	-0,70	0,55
194/214	EQ	0,55	0,73
Pepsin	NVPQL	-0,60	0,85
2/3/5/6/8/9/13/14/34/35/36/38/4	EIVPK	-0,80	0,82
6/47/54/55/94/95/106/108/109/11	SAEEQ	-0,04	0,55
0/112/113/114/115/116/118/	HSMK	-0,85	0,91
124/134/135/156/157/158/159/	PQL	0,40	1,01
161/164/165/167/169/170/171/	DAY	-0,33	0,80
174/178/179/180/182/183/187/	PSGA	-0,49	0,88
188/194/212/214	LGTQ	-0,89	0,88
Tripsin	TDAPSF	-0,70	0,71
2/18/37/48/49/57/73/76/94/98/	AAMP	-0,61	1,01
105/115/117/118/129/139/147/	LW	-0,70	0,90
166/208			

Tabel 3.Hasil hidrolisis proteolitik prekursor α -S2-kasein *Capra hircus* (32 fragmen peptida)

Sekuen dan situs pemotongan	Kandidat fragmen peptida bioaktif	Drug likeness Score	Protease inhibitor
>gi 6179400 emb CAB59920.1 alpha s2-casein [<i>Capra hircus</i>]	MK	-0,65	0,89
	TC	-0,78	0,90
MKFFIFTCLLAVALAKHKMEHVSSSEEPINIFQE IYKQEKNMAIHPRKEKLCTTSCEEVVRNANEEY SIRSSSEESAEEVAPEEIKITVDDKHYQKALNEIN QFYQKFPQYLQYPYQGPIVLNPWDQVKRNAGPFT PTVNREQLSTSEENSKKTIDMESTEVFTKTKLT EEEKNRLNFKLIISQYQKFAWPQYLKTVDQHOK AMKRWTQPKTNAIPYVRYL	AVA	-1,78	0,73
	AK	-0,79	0,69
	HK	-0,45	1,19
	QEI	-0,47	0,78
	QEK	0,13	0,85
	NMAIHPR	-0,55	-0,29
	EK	-0,14	0,87
	NANEEY	-0,06	0,14
	SIR	-0,92	1,14
	ITVDDK	-1,36	0,44
Kimotripsin 4/6/32/36/68/94/104/105/111/116/ 125/135/163/179/186/187/190/195/ 209/219/222	QK	0,05	0,90
	LNEINQ	-0,17	0,84
	PQY	0,10	0,87
	QY	-0,13	0,83
	QGPIV	-0,66	0,82
Pepsin 2/3/5/6/8/9/10/13/14/31/32/35/36/ 51/67/68/93/97/103/104/105/108/ 111/112/114/115/121/124/134/144/ 162/163/169/177/179/180/185/186/ 187/189/190/192/195/196/218/222	LNP	-0,38	1,22
	DQVK	-0,45	0,82
	NAGP	-0,62	1,03
	TPTVNR	-0,76	0,93
	EQL	0,31	0,86
	TK	-1,11	0,79
	TEEEK	-0,76	0,57
	NR	-0,59	1,25
	NF	-0,40	0,82
	IISQ	-0,52	0,85
	AW	-0,76	0,70
	AMK	-0,82	0,93
Trypsin 2/16/18/37/40/47/48/50/61/71/86/ 92/96/107/129/130/141/152/153/ 165/166/168/174/176/181/189/197/ 204/207/208/213/221	TQPK	-0,69	0,95
	TNAIP	-0,79	0,87
	VR	-0,69	1,25

Tabel 4.Hasil hidrolisis proteolitik prekursor β -kasein *Capra hircus* (25 fragmen peptida)

Sekuen dan situs pemotongan	Kandidat fragmen peptida bioaktif	Drug likeness Score	Protease inhibitor
>gi 4495057 emb CAB39200.1 beta-casein [Capra hircus] MKVLILACLVALALAREQEELNVVGETVESLSSE EESITHINKKIEKFQSEEQQTEDELQDKIHFFA QAQSLVYFPTGPIPNILPQNILPLTQTPVVVPPF LQPEIMGVKPKVETMVPKHKEMPFPPKYVVEPFTE SQSLTLTDVEKLHLPLPLVQSWMHQPPQPLSPTV MFPPQSVLSLSQPKVLPVPQKAVPQRDMPIQAFILYQEPVLGPVRGPFPIILV	MK	-0.65	0.89
	LI	-1.37	0.73
	AC	-0.44	0.83
	VA	-1.58	0.45
	AR	-0.52	1.11
	EQEE	0.55	0.54
	IEK	-0.57	0.91
	QDK	-0.25	0.90
	IHP	0.01	1.08
	AQAQS	-0.57	0.73
Kimotripsin 48/67/77/102/134/203/206 Pepsin 5/6/8/9/11/12/13/14/20/21/30/31/ 47/48/59/60/66/72/73/75/76/85/90/ 91/129/133/139/140/141/142/147/ 148/150/153/157/158/165/177/178/ 179/180/202/203/204/205/206/221	VY	-0.40	0.79
	PQNIL	-0.19	0.70
	VK	-0.95	0.90
	ETMVPK	-0.67	0.92
	HK	-0.37	0.75
	EMFPK	-0.65	1.13
	PVEP	-0.52	0.92
	TESQS	-0.65	0.82
	TDVEK	-0.33	0.79
	HL	-0.01	0.66
Tripsin 2/16/43/44/47/63/112/114/120/122/ 128/147/184/191/196/215	PLP	-0.23	1.14
	LVQS	-0.76	0.87
	SQPK	-0.50	0.98
	AVPQR	-0.87	1.00
	GPFPIIL	-0.22	0.60

Tabel 5.Hasil hidrolisis proteolitik prekursor κ -kasein *Capra hircus* (20 fragmen peptida)

Sekuen dan situs pemotongan	Kandidat fragmen peptida bioaktif	Drug likeness Score	Protease inhibitor
>gi 550822302 ref NP_001272516.1 kappa-casein precursor [Capra hircus] MMKSFFLVVTILALTLPLFLGAQEQNQEQPICCEK DERFFDDKIAKYIPIQYVLSRYPSYGLNYYQQR VALINNQFLPYYPYAKPVAVRSPAQTLQWQVLPN TVPAKSCQDQPTTLARHPHPLSFMAIPPKKDQD KTEVPAINTIASAEPTVHSTPTTEAIVNTVDNPE ASSESIASASETNTAQVTSTEV	MMK	-0.65	0.88
	VVTI	-1.20	0.73
	TL	-0.99	0.69
	DER	-0.34	1.04
	DDK	-0.76	0.87
	IAK	-1.17	0.98
	IPIQ	-0.29	0.89
	SR	-0.61	1.16
	PSY	0.01	0.85
	QQRPVA	-0.67	0.83
Kimotripsin 6/18/38/39/46/51/59/63/64/76/81/ 82/97/126	INNQ	-0.37	0.78
	PYP	-0.09	0.96
	SPAQT	-0.76	0.83
	QVL	-0.01	0.92
	PNTVPAK	-0.89	0.33
Pepsin 6/7/11/12/13/14/16/17/19/38/45/ 50/51/52/53/56/59/60/61/62/63/ 64/70/71/75/77/80/82/94/95/96/ 97/100/115/116/124/126	AR	-0.52	1.11
	HPHPL	-0.73	0.56
	SF	-0.90	0.67
	MAIPPK	-0.97	0.70
	DQDK	-0.68	0.76
Tripsin 3/34/37/42/45/55/89/107/118/132/ 133/137			